

DINGOZOV, G., inzh.; FILIPOV, F.

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DINGOZOV, Georgi, inzh.; TOSHKOV, Emil, inzh.

Influence of filling warp deformations on structural strains and stresses. Tekhnika Bulg 12 no.2:9-11 '63.

DINIC, Budimir.

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1. Blood.
2. Blood groups.

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ALADJEM-TAJHNER, Ana; DINIC, Budimir

Erythroblastosis fetalis treated with exchange transfusions.  
Srpski arh. celok. lek. 84 no.12:1393-1400 Dec 56.

1. Ginekolosko-akuserska bolnica grada Beograda, Upravnik:  
Dobrivoje Lukic.

(BLOOD TRANSFUSION, in various dis.  
exchange in erythroblastosis fetalis, indic. (Ser))  
(ERYTHROBLASTOSIS FETAL, ther.  
exchange blood transfusion, indic. (Ser))

RADOVIC, Petar; DINIC, Budimir

A case of severe post-transfusional hemolytic reaction caused by  
Rh incompatibility.. Srpski arh. celok. lek. 88 no.2:211-215 F '60.

1. Ginekološko-akuserska klinika medicinskog fakulteta univerziteta  
u Beogradu, Upravnik: prof. dr. Sinisa Tasovac.  
(Rh FACTORS)  
(BLOOD TRANSFUSION compl.)

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VOJNO-TEHNIKI GLASNIK. Beograd, Yugoslavia. Vol. 3, no. 12, Dec. 1955.

Monthly List of East European Accessions (SEAI) LC, Vol. 8, no. 9, Sept. 1959.

Uncl.

YUGOSLAVIA / Diseases of Farm Animals. Toxicoses.

R

Abs Jour: Ref Zhur-Biol., No 8, 1958, 35864.

Author : Dinic, J.

Inst : ~~Not given.~~

Title : Two Cases of Colchicum autumnale Horse Poisoning.

Orig Pub: Veterin. glasnik, 1956, 10, No 12, 938-939.

Abstract: No abstract.

Card 1/1

DINIC, J.

"The Karst of Yucatan and Florida" by J. Corbel. Reviewed by J.Dinic.  
Geogr pregl no.5:196 '62.



DINIC, J.

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(KEAI 10:7)

(Croatia--Geomorphology)

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N '62.

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Agreement on road transport with Germany. Medan transp 10 no.10;  
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DINIC, Miodrag, sanitetski major, mr. ph.

Determination of antipyrine, citrate and caffeine in powders  
and tablets. Vojnosanit. pregl. 22 no.1:11-15 Ju '65.

1. Vojnosanitetski zavod u Sarajevu.

EMERSON, Livojin; SHOL, Peter; JONES, Helen

Spinal arthrodesis using autospinal grafts. Surg. tech. note.  
lek. 92 no.2:197-202 F164.

1. Klinika za ortopediju i traumatologiju Medicinskog  
fakulteta Univerziteta u Beogradu (pravnik: prof. dr. Svetislav  
Stojanovic).

DINIC, Miodrag, sanitetski major, mr. ph.; POPOVIC, Radomir, sanitetski  
kapetan 1 klase mr. ph.

Methods for the identification and determination of barbiturates.  
Vojnosanit. pregl. 22 no.2:93-96 F'65.

POPOVIC, Radomir, sanitetski kapetan I klase mr.ph.; DINIC, Miodrag,  
sanitetski major mr. ph.

Survey of physico-chemical methods for the determination of  
vitamin B-1 in pharmaceutical compounds. Vojnosanit. pregl.  
22 no.7/8:478-481 J1-Ag '65.

1. Vojnosanitetski zavod u Sarajevu.

DESPOTOVIC, Radisav, sanitetski kapetan I klase mr. ph.; DINIC, Miodrag,  
sanitetski potpukovnik mr. ph.

Comments on the stability of epinephrine and methods for determination of its presence in decomposition products. Vojnosanit. pregl. 22 no.7/8:482-484 J1-Ag '65.

1. Vojna apoteka u Sarajevu, Vojnosanitetski zavcd.



DINIC, Miodrag, sanitetski potpukovnik mr.ph.; BOBAREVIC, Blanka, docent dr.;  
ANTONOV, Ivan, sanitetski porucnik mr.ph.

Colorimetric method for the determination of novocaine hydrochloride in mixtures with adrenaline or corbasile. Vojnosanit. pregl. 23 no.1:34-36 Ja '66.

1. Vojnosanitetski zavod u Sarajevu; Medicinski fakultet u Sarajevu, Institut za hemiju.

DINIC, Miodrag, sanitetski major, mr.

Spectrophotometric determination of sulfamethoxypyridazine.  
Vojnosanit. pregl. 20 no.7:427-428 JI '63.

1. Vojnosanitetski zavod u Sarajevu.  
(SPECTROPHOTOMETRY) (SULFAMETHOXYPYRIDAZINE)

S

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Use of ion-exchange resins in the determination of novocaine hydrochloride and aphedrine hydrochloride in mixtures containing adrenalin. Vojnosanit. pregl. 21 no.9:550-551 S '64

1. Vojnomedicinska akademija u Beogradu, Odeljenje za kontrolu lekova, Apoteka.

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Yugoslavia (430)

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SO: Monthly list of East European Accessions, (SEAL), LC, Vol. 4, no. 1 Jan. 1955, Uncl.

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Active and inactive forms of pulmonary tuberculosis with special  
reference to work capacity. Srpski arh. celok. lek. 89 no.3:253-258  
Mr '61.

1. Gradska bolnica za grudobolne na Besanijskoj Kosi, Beograd-Zemun.  
Upravnik: prim. dr Ljubisa Ilic.

(TUBERCULOSIS PULMONARY diag)  
(DISABILITY EVALUATION)

KONJOVIC, M.; DINIC, Z.; RADOJEVIC, V.; JANJATOVIC, T.

Audiometric findings in patients treated with large doses of streptomycin. Tuberkuloza 15 no.2:266-268 Ap-Je '63.

1. Gradska bolnica za grudobolne, Bezanijska Kosa - Upravnik: prim. dr Ljubisa Ilic. Gradska bolnica Zemun, odeljenje ORL - Sef: prim. dr Branko Midzor.

(STREPTOMYCIN TOXICOLOGY) (AUDIOMETRY)

S

GHERGA-NEGREA, Adina, dr.; RACOVEANU, N., dr.; DINICA, Gh., dr.

Odontological studies in an area with a higher natural radio-activity background. Stomatologia (Bucur.) 12 no.5:385-395 '65.

1. Lucrarea face parte din cercetarile complexe intreprinse sub conducerea acad. St. M. Milcu in cadrul Comisiei de radiobiologie a Academiei Republicii Socialiste Romania.



DININA, A.A.

SHAMOVSKIY, L.M.; DININA, A.A.; GOSTEVA, M.I.

Investigation of the ionic conductivity of KI(Tl)-phosphors. Dokl.  
AN SSSR 111 no.4:811-814 D '56. (MLRA 10:2)

1. Vsesoyuznyy institut mineral'nogo syr'ya. Predstavleno akademikom  
A.F.Ioffe. (Phosphors) (Ionic crystals)

DINIS, P., ing.

Silk industry, a sector in full development. Ind text Rum 14  
no.6:244 Je '63.

DINISCHIOTU, G. T.

DECEASED

1964

DISEASES

c 1963

DINISOV, N.A.

Computation and analysis of productivity of labor and wages in construction work for the petroleum industry. Moskva, Gos nauchno-tekhn. izd-vo neftianoi i gornotoplivnoi lit-ry, 1952 128 p. (53-20737)

HD9575.R82D4

DINISOV, NIKOLAY NIKOLAYEVICH

N/5  
667.2  
.D3

NA REAKTIVNYKH SAMOLETAKH (IN JET PLANES) MOSKVA, VOYENNOYE IZD-VO  
MINISTERSTVA OBORONY SOYUZA SSR, 1956.

165 p. ILLUS., DIAGRS., GRAPHS, PORTS.

9(2)

SOV/107-59-4- 21/45

AUTHOR: Dinits, A.

TITLE: A TV Channel Selector Switch (Pereklyuchatel'  
televizionnykh kanalov)

PERIODICAL: Radio, 1959, Nr 4, pp 25 - 26 (USSR)

ABSTRACT: The author describes the 12-channel HF selector switch unit which is installed in the new types of TV sets produced in the USSR. Figure 1 shows the circuit diagram of the selector switch. It consists of one 6N14P in the HF amplifier section and a 6 F1P in the heterodyne. The input of the unit is non-symmetric and designed for a feeder with an impedance of 75 ohm. There are 1 circuit diagram, 1 graph and 1 table.

Card 1/1

RUMANIA/Human and Animal Physiology. Digestion.

T

Abc Jour: Ref Zhur-Biol., No 8, 1958, 36541.

Author : Gavrilesco, N., Dinischiotu, L., Mihelits, R.

Inst :

Title : Practical Method of Collection of Ruminal Juice in  
Sheep.

Orig Pub: Annarul Incrar. Stiint. Inst. agron. 1957, 413-415.

Abstract: No abstract.

Card : 1/1

DINISENKO, V. Ye. [Dymysenko, V. IU.] (Primorskiy kray)

Vermiculites in the Azov Sea region. Geol. zhur. 24 no.2:73-77  
'64 (MIRA 18:2)



POMPEYEV, V.M.; DINITSKIY, L.A.

Simplified techniques for checking permanent magnets during their  
manufacture. Nauch. zap. LPI no.1:219-222 '61. (MIRA 16:6)  
(Magnets) (Electric measurements)

*DINU, Elena*

POPESCU, Ileana

MINDEECI - continued

RUMANIA

Pharmacist

Member of staff of Pharmacy No 7, Craiova, Oltenia Regiune.

Bucharest, Farmacia, Revista a Uniunii Societatilor de Stiinta  
Medicale din Republica Populara Romina, No 9, Vol X, Sep 62,  
pp 513-524.

"New Viewpoints for the Preparation of Collyrium."

ENACHESCU, Elena, Pharmacist, Member of staff of Pharmacy No 7,  
Craiova, Oltenia Regiune.

DINU, Elena, Pharmacist, Member of staff of Pharmacy No 7, Craiova,  
Oltenia Regiune.

~~2 of 2~~

*Bellini  
H. T. 11/11/62*

L 16292-65 ENT(m)/ENP(w) AEDG(a) EM

ACCESSION NR: AP4049973

R/0019/64/009/005/1071/1084

AUTHORS: Dinke, F.

; Teodosiu, K.

TITLE: Investigation of free vibration of systems with asymmetrical quadratic dissipation B

SOURCE: Revue Roumaine des sciences techniques. Serie de mecanique appliquee, v. 9, no. 5, 1964, 1071-1084 26

TOPIC TAGS: shock absorber, vibration analysis, nonlinear oscillatory system

ABSTRACT: In view of the increasing use of hydraulic shock absorbers with asymmetrical quadratic dissipation characteristics in automobiles, and in view of the difficulty of analyzing the performance of such absorbers by means of a linearized theory, the authors make use of their earlier research (St. cercet. mecanica aplicata, Acad. R.P.R. 1963, v. 14, No. 4 and 1954, v. 15, No. 4)

Card 1/2

L 15292-65  
ACCESSION NR: AP4049973

and treat such a system without the use of linearization. The equations of motion of the free vibrations are integrated and the effect of dissipation on the maximum amplitudes and accelerations, and also on their distribution in time, is studied in detail. Methods of the maximum accelerations are calculated and methods for determining the attenuation characteristics from oscillograms are indicated. The conclusions contain a discussion of the shortcomings of linearization methods used at the present time in investigations of such systems and it is pointed out that the use of the present results can eliminate these shortcomings. Orig. art. has: 4 figures, 56 formulas, and 3 tables.

ASSOCIATION: Institute of Applied Mechanics, Bucharest

SUBMITTED: 13Jun64

ENCL: 00

SUB CODE: ME

NR REF SOV: 003

OTHER: 004

Card 2/2

DINKE, F. [Dinca, Fl.]; TEODOSIU, K. [Teodosiu, C.]

Study on the free oscillations of systems with asymmetric quadratic dissipation. Rev mec apul 9 no.5:1071-1084 '64.

1. Institute of Applied Mechanics, Bucharest.

ZITTI, Ye. [Zitti, E.]; POPESCU, L. [Popescu, L.] (Bukharest, rayon 30  
Dekabrya, ul. Barbu Delayranesha); DINKE, G. [Dinca, G.];  
FOTIADE, B.; IONESCU, K. [Ionescu, K.]; DANCHU, I. [Danciu, I.]

Significance of heart catheterization in pulmonary surgery.  
Vest.khir.90. no.2:63-69 F'63. (MIRA 16:7)

1. Iz kliniki torakal'noy khirurgii (dir. - prof. K.Kerpinishan)  
i laboratorii issledovaniya serdechno-legochnoy funktsii (dir.  
prof. V.Marinesku), Bukharest.  
(CARDIAC CATHETERIZATION) (LUNGS—SURGERY)

ZITTI, Ye.: POPESCU, Lidiya [Popescu, Lidia] (Rumyniya, Bukharest,  
rayon 30 Dekabrya, ulBarbu, Delayrans'ye, d.2, kv.13);  
FYRSTYA, M. [Cirstea, M.]; DINKE, G. [Dinca, G.]

Acute respiratory insufficiency in thoracic surgery. Vest.  
Khir. 91 no.12:11-18 D '63. (MIRA 17:9)

1. Iz kliniki torakal'noy khirurgii (dir.--- prof. K. Kerpinishan  
[C. Carpinisean]), Bukharest.

DINKEL', A.D.; LITSYN, N.M.

Remote depth discharge meter. Biul.tekh.-ekon.inform.

Gos.nauch.-issl.inst.nauch.i tekhn.inform. no.9:20-21

'62.

(MIRA 15:9)

(Flowmeters)



DINKEL', Al'fred Danilovich, aspirant; LYUBIMOV, Eduard Viktorovich, starskiy  
prepodavatel'

Synthesis of an optimal control system of a mine hoist drive.  
Izv.vys.ucheb.zav.; elektromekh. 8 no.9:1022-1029 '65.

(MIRA 18:10)

1. Kafedra elektrotekhniki Permskogo politekhnicheskogo instituta  
(for Dinkel'). 2. Kafedra avtomatiki i telemekhaniki Permskogo  
politekhnicheskogo instituta (for Lyubimov).

DINKEL', A.D.; DIRKS, G.G.; LITSYN, N.M.

Portable electronic checking dynamograph. Neft. khoz. 41  
no. 11:59-62 N '63. (MIRA 17:7)

30907. DINKELIS, S. S.

K voprosy o rasprost-raneni silikoza skedi rabochikh gornorudnoy promyshlennosti. Gigiyena i sanitariya, 1949, No. 9, s. 49-50.

Dinkelis, S. S.

Chemical composition of mine dust in evaluation of the degree of its harmfulness. S. S. Dinkelis (Med. Inst. Stal'nabad and 1st Med. Inst. Moscow). *Gigiena i Sanit.* 1954, No. 6, 24-7. -- Expts. with rats treated intratracheally with specimens of mine dust showed that sclerotic changes in the lungs produced by dust contg. 82% or less  $\text{SiO}_2$  had the same character as those caused by 100%  $\text{SiO}_2$  dust. Dust from Pb-Zn mines contg. only traces of  $\text{SiO}_2$  also caused sclerotic changes in the lungs of nonquartz type.

G. M. Kosolapoff --

62

DINKELIS, S.S.

Effect of mineral and metallic dust mixures on the development of  
pneumoconiosis. Bor'ba s sil. 2:348-357 '55. (MLRA 9:5)  
(LUNGS--DUST DISEASES)

DINKELIS, S. S.

AID P - 3910

Subject : USSR/Medicine  
Card 1/1 Pub. 37 - 14/21  
Author : Dinkelis, S. S.  
Title : Comments on Prof. S. N. Cherkinskiy's article "On  
the Fundamentals of the New Draft of a GOST for the  
Quality of Drinking Water".  
Periodical : Gig. i. san., 12, p. 44, D 1955  
Abstract : Discusses the new All-Union State Standard (GOST)  
in regard to specifications for fluorine content in  
water.  
Institution : Chair of General Hygiene, Stalinabad Medical Institute.  
Submitted : Je 29, 1955

DI TELIS, S. S

"Industrial and experimental observations on the effect  
of fluorite dust on the development of pneumoconiosis."

report submitted at the 13th All-Union Congress of Hygienists, Epidemiologists  
and Infectionists.

DINKELIS, S.S., dotsent, kand.med.nauk

Influence of fluorite mine dust on the development of pneumoconiosis. Bor'ba s sil. 4:71-75 '59. (MIRA 12:11)

1. Stalinabadskiy meditsinskiy institut.  
(LUNGS--DUST DISEASES)



DINKELIS, S.S.; SHAROV, I.I. (Stalinabad)

Phosphatase in the lungs and liver in experimental silicosis in  
white rats. Gig. truda i prof. zab. 4 no. 7:52-54 J1 '60.  
(MIRA 13:8)

1. Kafedra gigiyeny i gistologii Meditsinskogo instituta im.  
Avitsenny.

(PHOSPHATASE) (LUNGS---DUST DISEASES)

DINKELIS, S.S., dotsent; TADZHIKOV, M.M.; GULYAYEV, I.A.

Some problems of industrial hygiene in the mining of nonradio-  
active complex metal deposits. Bor'ba s sil. 6:303-307 '64  
(MIRA 18:2)

1. Tadzhikskiy gosudarstvennyy meditsinskiy institut.

DINKOVICH, Anatoliy Iosifovich; GARSIA, L., red.; TROYANOVSKAYA, N., tekhn.  
red.

[Economy of postwar Japan] Ekonomika poslevoennoi Iaponii (1945-  
1955 gg.). Moskva, Gos. izd-vo polit. lit-ry, 1958. 199 p.  
(Japan--Economic conditions) (MIRA 11:5)

DINKEVECH, A.I., otv. red.; GARMSEN, O.M., red. izd-va; MIKHLINA, L.T.,  
tekhn. red.

[Problems of state finance, credit and currency circulation in  
Asian countries (India, Afghanistan, Ceylon, Turkey, Japan)]  
Voprosy gosudarstvennykh finansov, kredita i denezhnogo obra-  
shcheniia stran Azii; sbornik statei (Indiia, Afganistan,  
Tseillon, Turtsiia, Iaponiia). Moskva, Izd-vo vostochnoi lit-  
ry, 1962. 107 p. (MIRA 15:4)

1. Akademiya nauk SSSR. Institut narodov Azii.  
(Asia—Finance)

DINKEVICH, S.Z.

Effectiveness of hydraulic fracturing of sands. Neft.khoz. 34 no.7:  
19-26 J1 '56. (Petroleum engineering) (MIRA 9:10)

DINKIN, M. E. ✓

Reaction of cellulose nitrate with solvents. S. N. Danilov and M. E. Dinkin (*J. Gen. Chem. Russ.*, 1945, 15, 550-564).—The swelling pressures developed during imbibition of org. solvents (COMe<sub>2</sub> and EtOH-Et<sub>2</sub>O) by various specimens of cellulose nitrate have been measured by means of the special apparatus described; the velocity of imbibition is expressed by  $K = (2/3t) \log (P_{\infty} - P_0)/(P_{\infty} - P_t)$ , where  $P_{\infty}$  is the limiting swelling pressure, and  $P_t$  and  $P_0$  are the pressures at times  $t$  and 1 hr. respectively. The work performed during swelling falls with rising N content, but

is independent of the mol. wt. of the specimens. Successive extractions of cellulose nitrate containing 12.5% N, by means of COMe<sub>2</sub>-Et<sub>2</sub>O mixtures of increasing COMe<sub>2</sub> content, give a series of fractions of diminishing N content from 12.62 to 11.40%, while with an original N content of 13.10%, that of the fractions rises from 11.94 to 13.16%; it is concluded that the most reactive fraction is that containing 12-12.5% N. The  $\eta$  of a solution of cellulose nitrates of various N contents is < would follow from the addition rule.

R. T.

IVASHCHENKO, Ol'ga Il'inichna; DIN'KO, F.M., red.; KLOKOVA, S.M.,  
tekhn.red.

[For the good of the people] Dlia blaha liudyny. Kyiv, Vyd-vo  
TsK LKSMU "Molod'," 1960. 54 p. (MIRA 13:7)  
(Russia--Economic conditions)

SOLDATENKO, Ivan Nikolayevich[Soldatenko, I.N.]; SOROKA, Nikolay  
Aleksyevich [Soroka, M.]; DIN'KO, F.M. [Dyn'ko, F.M], red.;  
KLOKOVA, S.M., tekhn. red.

[Blue flame] Holuba polum'ia. Kyiv, Vyd-vo TsK LKSMU  
"Molod'," 1961. 38 p. (MIRA 15:4)  
(Electric welding)



POPOV, Nikolay Vasil'yevich; DIN'KO, F.M. [Dyn'ko, F.M.], red.;  
LIPCHAK, N.K. [Lypchak, N.K.], tekhn. red.

[In the name of the 22d Congress of the CPSU] Imeni XXII z'izdu  
KPRS. Kyiv, Vyd-vo TsK LKSMU "Molod'," 1962. 61 p.  
(MIRA 15:12)

(Ukraine--Efficiency, Industrial)  
(Agriculture--Labor productivity)

BAKLANOV, Viktor Nikolayevich; MEL'NIK, Anisim Petrovich; POVNITSA,  
Anatoliy Rodionovich; DIN'KO, F.M., red.; TIMCHISHINA, N.A.,  
tekhn. red.

[Heroic deeds of 5000 young construction workers] Podvyh p'iaty  
tysiach. [By] V. Baklanov ta inshi Kyiv, Vyd-vo "Molod'," 1961.  
106 p. (MIRA 16:2)  
(Ukraine--Construction industry)

KUDRYAVTSEV, Sergey Ivanovich; DIN'KO, F.M., red.; LICHAK, N.K.,  
tekhn. red.

[The value of a minute] TSina khvylyny. Kyiv, Vyd-vo TsK  
LKSMU "Molod'", # 41 p. (MIRA 16:3)  
(Efficiency, Industrial)

DINKOV, Iv.

Attack of paroxysmal paralysis (paroxysmal myoplegia). Suvr.  
med. 16 no.4:216-218 ' 65.

1. I gr. bolnitsa , Plovdiv (glav. lekar T. Karev).

DINKOV, N.

" Production of High Quality Cast Iron in the Small Foundry and Workshops," p.18.  
" New Methods for Casting Pistons for Diesel Motors," p. 20.  
(Ratsionalizatsiia, Vol.3, No.1, Jan. 1953, Sofiya.)

September 1953, Uncl.

SO: Monthly List of East European Acquisitions, Vol.2 , No.9, Library of Congress,

S/081/62/000/008/029/057  
B160/B101

11.1320  
AUTHORS: Vladov, Dim., Dinkov, Sh.

TITLE: Precatalysis reaction in ammonia decomposition

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 8, 1962, 352, abstract  
8K43 (Godishnik Sofiysk. un-t. Fiz.-matem. fak., v. 54,  
no. 3, 1959-1960 (1961), 113 - 132)

TEXT: Experiments on decomposing  $\text{NH}_3$  at atmospheric pressure on a Fe-Al-K catalyst were performed without a catalyst and on a catalyst deactivated by the action of  $\text{H}_2\text{S}$ . The presence of a reaction before and after the use of the catalyst was established. The reaction mechanism and the results of other researchers' experiments on certain reactions with precatalysis are discussed. 8 references. [Abstracter's note: Complete translation.]

✓B

Card 1/1

VLADOV, D.; DINKOV, Sh.

Formation of ammonium nitrate and ammonium nitrite behind the catalyst  
at the oxidation of ammonia. Godishnik khim 54 no.3:125-138 1969/60  
(pub. '61) (EEAI 10:9)

Ammonium compounds) (Oxidation) (Catalysts)

VLADOV, D.; DIMITROV, D.; DINKOV, Sh.; DIAKOVICH, V.

Increasing the quantity of nitric oxides in oxidizing of ammonia by adding air behind the catalyst. Godishnik khim 55 no.3:121-127 '60/61 (publ.'62).



DINKOV, ST.

Dinkov, St. - Zemedelski mashini za V kurs na tekhnikumite po mekhanotekhnika.  
(2 izd.) Sofiya (Narodna prosveta) 1952. 248 p. (Agricultural machinery; a  
textbook for the fifth year of technical schools. Illus.)

SO: Monthly List of East European Accessions, Library of Congress, Vol. 2, No. 9,  
Oct. 1953, Uncl.

DINKOV, V.

Techno-economical Basis for the Production Program in the Cement  
Industry

TEZHKA PROMISHLENOST (Heavy Industry) Issue #8;19; August 1955

SHMYGLYA, Petr Terent'yevich; ERAGIN, Viktor Alekseyevich;  
DINKOV, Vasilii Aleksandrovich; ARUTYUNOV, A.I., red.;  
~~CHOPEROVA, T.A., ved: red.;~~ STAROSTINA, L.D., tekhn.red.

[Programming the development and exploitation of gas condensate wells. Gas condensate wells in Krasnodar Territory] Proektirovanie razrabotki i ekspluatatsiia gazokondensatnykh mestorozhdenii; gazokondensatnye mestorozhdeniia Krasnodarskogo kraia. Moskva, Gostoptekhizdat, 1963. 233 p. (MIRA 17:1)

DINKU, I. Cand Agr Sci -- (diss) "Raising the effectiveness of phosphorite  
fertilizer by <sup>treating it</sup> ~~the means of treatment~~ with small amounts of acids."

Mos, 1958. 17 pp (Mos Order of Lenin Agr Acad im K. A. Timiryazev).

(KL, 52-58, 105)

DINKULESKU, T. [Dinculescu, T.]; STOICHESKU, K. [Stoicescu, C.];  
DZHOGEZYESKU, G. (Rumyniya) [Georgescu, G.]

Electromyographic observations of muscular contractures in  
arthrosis and spondylosis. Vop. kur., fizioter. i lech.  
fis. kul't. 28 no.4:340-343 J1-Ag '63. (MIRA 17:9)

1. Iz Instituta kurortologii i fizioterapii v Bukhareste  
(dir., prof. T. Dinkulesku).

DINKULYANU, Nikolays [Dinculeanu, N.]

Integral representation of linear operators in Orlicz spaces.  
Dokl. AN SSSR 146 no.6:1255-1258 0 '62. (MIRA 15:10)

1. Predstavleno akademikom I.M. Vinogradovym.  
(Spaces, Generalized) (Operators (Mathematics))

DINN, D.

Distr: 4E2c(j)/4K3d

5  
2 May  
21

Cyclobutanes, III. Benzocyclobutadiene. Costin D.  
Nendrescu, M. G. and Aximu, and Doina D. (Tech.  
Hochschule, Bucharest, Romania). *Chem. Ber.* 91, 2641-4  
(1957); cf. *ibid.* 1857. — Formation of dihydrobenzodiphen-  
ylene (I) from 1,2-dibromobenzocyclobutene (II) and Zn  
(cf. Cava and Napier, *C.A.* 51, 11810g) suggests that  
benzocyclobutadiene (III) is a distinct but short-lived inter-  
mediate. The cyclopentadiene (IV) adduct of III is now  
obtained by reaction of II with Li-Hg, then IV. Similar  
reaction with furan under these conditions gives an amor-  
phous polymer. A soln. of 80 g.  $\alpha$ -C<sub>6</sub>H<sub>4</sub>(CHBr)<sub>2</sub> in 600  
cc. Me<sub>2</sub>CO (very dry) is refluxed 52 hrs. with 105 g. NaI in  
700 cc. Me<sub>2</sub>CO, filtered, the soln. evapd. to 760 cc., decolor-  
ized with Na<sub>2</sub>S<sub>2</sub>O<sub>4</sub>, and dild. to 1 l. with H<sub>2</sub>O, the ppt. sepd.,  
and the soln. extd. with Et<sub>2</sub>O gives 50% II, m. 52-3°. A  
soln. of 3 g. II in 50 cc. abs. Et<sub>2</sub>O is shaken 10-12 hrs. with  
100 g. 0.5% Li-Hg (cooling at first), sepd., washed with  
H<sub>2</sub>O, and evapd. to give 80% I, m. 74°. A soln. of 15 g. II  
in 25 cc. abs. Et<sub>2</sub>O shaken with 500 g. 0.5% Li-Hg and 19 g.  
IV gives 52% 1,4-endomethylene-1,4,11,12-tetrahydrosiphenyl-  
ene (V), b. 82-4°, n<sub>D</sub><sup>20</sup> 1.57317, d<sub>4</sub><sup>20</sup> 1.0539. V absorbs 1.2  
moles H over Pd. V forms adducts with PhN<sub>3</sub> (m. 132°)  
and CH<sub>3</sub>N<sub>3</sub> (m. 70°). The latter heated to the b.p. in a  
CO<sub>2</sub> stream forms pyrazole. M. A. Simkins

jb  
1/1

9/1

~~BUCHSI, F.~~

~~BUCHSI~~ (in caps); Given Names

Country: Rumania

Academic Degrees: Dr.

Affiliation: [not given]

Source: Bucharest, Microbiologia, Parazitologia, Epidemiologia, No 3,  
May-Jun 61, pp 247-252.

Data: "Winter Hydric Epidemic Due to Sh. Flexneri."

Co-authors:

BENTIU, V., Dr.

BIRT, E., Dr.

[affiliations not given]

STEFANESCU, C., Dr.



DINNIK, A.A.

Determination of the average specific pressure and plastic deformation in upsetting. Trudy Inst.chern.met.AN URSS no.10:116-126 '56.  
(MLRA 9:11)

(Deformations (Mechanics))

DINNIN, A.A.

Determination of the coefficient of external friction in upsetting  
by the method of inclined strikers. Trydy Inst. Chern. Met. AN URSS  
no. 10:127-128 '56.

(Friction)

(MLRA 9:11)

Influence of macrostructure on the plasticity of steel.  
 A. P. Chikunov, A. A. Dnepov, V. P. Greshko, I. E.  
 Finchenko, and N. M. Gerasimov. *Met. Sci. Eng.* 1958-59  
 (1958).—For checking the necessity of light passes in bloom-  
 ing tender ingots, 3 ingots of 0.18% C rail steel and of  
 0.18 C-0.8 Mn open steel were bloomed down and one of  
 each was cut into slabs contg. sign. skin, dendritic layer, or  
 equiaxial crystals of ingot core. Blooms were then forged  
 down to the dimensions of these slabs, and all of them were  
 rolled after proper heating in one pass into wedges in an  
 eccentric mill with a max. reduction of 93%. Studying  
 reductions necessary for crack formation permitted the  
 conclusion that the macrostructure of the steel has no effect  
 whatever on its plasticity characteristics, and cracking,  
 when occurring, was caused by existing defects. J. D. Cat.

SOV/137-58-8-16822

Rolling Angles of

the sliding angles of bite (  $\alpha_{\text{roll}} 24^\circ$ ) to RA' equal to the angle of complete slippage (  $\alpha_{\text{slip}} 39-40^\circ$ ). Scale has a significant effect upon spread and reduction ratio: Spread increases and becomes irregular along the length of the strip, and reduction increases. To increase output and create a stable R process it is necessary to remove the primary (and sometimes the secondary) scale in the breakdown stands of the mills at high reduction ratios and RA.

V.D.

1. Steel--Processing
2. Rolling mills--Performance

Card 2/2

*Dinnik, A.A.*

137-1958-2-2779

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 2, p 82 (USSR)

AUTHORS: Chekmarev, A.P., Filipov, S.N., Dinnik, A.A., Grechko, V.P.

TITLE: Investigation of the Conditions of Rolling Seizure in the Presence of a Fully Developed Deformation Area, That Is, in a Stationary Rolling Process [Issledovaniye usloviy zakhvata pri zapolnennom ochage deformatsii (ustanovivshiysya protsess prokatki)]

PERIODICAL: Tr. In-ta chernoy metallurgii AN UkrSSR, 1957, Vol 11, pp 3-17

ABSTRACT: Pb samples were rolled experimentally on laboratory mill 150 on flat rolls allowing free spreading, the aim being to determine the coefficient of friction (FC) at inception of seizure and when the focal deformation area has been fully engaged. The FC at the moment of seizure,  $f_{seiz}$ , is determined from the limiting angle (SA) (corresponding to a fully developed focal deformation area) by means of rolling wedge-shaped specimens. The determination of the FC and possible SA's on the hot rolling of steel were performed in the two-high stand of experimental mill 180. It was found that when  $v = 0.23$  m/sec and the temperature was 1160-1180°, for steel st. 3, the limiting SA was  $\alpha_{seiz} = 24^\circ$  and  $f_{seiz} = 0.44$ .

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137-1958-2-2779

Investigation of the Conditions of Rolling Seizure (cont.)

The SA and the FC that correspond to a loss of stability of the rolling process, were determined by means of either of two methods in the rolling of wedge-shaped specimens: a) from the appearance of the first traces of slipping on the contact surface of the rolled samples, and b) from the roll separating pressure of the metal. Dynamometer readings were recorded on moving-picture film with the aid of an MPO-2 oscillograph. The effect of furnace scale on the FC and maximum SA of the stationary process was ascertained by rolling wedge-shaped samples with and without surface scaliness. Efforts to determine the FC in the presence of scale for the stationary rolling process were unsuccessful, however, because at the smallest reduction value

$\Delta h = 11$  mm the slipping process and the FC corresponding to total slippage were in the main unaffected by the presence or absence of scale. When scale was present,  $f\delta = 0.35 - 0.36$ ; when scale was absent,  $f\delta = 0.35 - 0.40$ . The experiments showed that in the presence of a fully developed deformation area the furnace scale does have a decisive effect on the FC and on the stability of the rolling process. It is established that the scale exerts but an insignificant effect on the incipient rolling seizure, the FC, and the maximum SA in conditions of total slippage. In the presence

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137-1958-2-2779

Investigation of the Conditions of Rolling Seizure (cont.)

of a fully developed deformation area the scale decreased the FC by 50-60 percent, creating a broad range in which the rolling operation was unstable, this range extending from SA's smaller than the angles of friction at the inception of seizure ( $\alpha = 24^\circ$ ) to SA's equal to the angle at which slippage became total  $\alpha_G = 39^\circ - 40^\circ$ . The scale exhibited a significant influence on the degree of spreading that occurred and on the elongation ratio.

B. Ye.

1. ~~Steel--Rolling--Friction--Analysis~~

Card 3/3

DINNIK, A. A.

137-58-5-9469

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 5, p 94 (USSR)

AUTHOR: Dinnik, A. A., Grechko, V. P.

TITLE: The Effect of Large Rolling Reductions on the Mechanical Properties of Steel (Vliyanie bol'shikh obzhatiy pri prokatke na mekhanicheskiye svoystva stali)

PERIODICAL: Tr. In-ta chernoy metallurgii. AN UkrSSR, 1957, Vol 11, pp 125-129

ABSTRACT: Rolling with large reductions with  $\alpha > \beta$  angles does not impair the mechanical properties of low-carbon steels ( $\sigma_s, \sigma_b, \delta, \psi, a_k$ ), neither does it enhance anisotropy of properties. Certain mechanical properties are actually somewhat improved under conditions of large reduction than under moderate breakdown schedules. Therefore, from the viewpoint of strength, plastic, and viscous properties of metal, large reductions are entirely rational in the rolling of low-carbon steels.

V. D.

1. Steel--Mechanical properties    2. Steel--Processing

Card 1/1



*DINNIK, A. A.*

137-58-2-2845

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 2, p 92 (USSR)

AUTHORS: Chekmarev, A. P., Dinnik, A. A., Pobegaylo, G. G.

TITLE: Preloaded Rolling-mill Stands (Predvaritel'no nagruzhenyye prokatnyye kleti)

PERIODICAL: Tr. In-ta chernoy metallurgii AN UkrSSR, 1957, Vol 11, pp 182-195

ABSTRACT: Whether or not rolled sections will have the specified dimensions is determined basically by the stiffness of the mill's finishing and prefinishing stands. The necessary stiffness of the stands can be attained in various ways, particularly by loading the rolls in advance. The method used, as proposed by the authors, is one that assures high accuracy of section contours in multiple rolling with long-bodies rolls. A stand with rolls thus preloaded operates with either one or two driving rolls. The effect of preloading is to bend the rolls by forcing them into contact at the collars situated at the center of the roll body. Included are a detailed description of this new method, a computation of the elastic deformation of the preloaded stand and of the forces exerted by the clamp-down screws, and the design calculation and structure of a roll contour.

Card 1/1

V. D.

1. Rolling mills-- Applications    2. Rolls--Design    3. Rolls  
--Performance    4. Stands--Load--

SOV/137-58-9-18957

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 9, p 114 (USSR)

AUTHORS: Chekmarev, A.P., Dinnik, A.A., Grechko, V.P.

TITLE: The Deformability of ~~Steel~~ When Rolled at High Draft (Deformiruyemost' stali pri prokatke s bol'shimi obzhatiyami)

PERIODICAL: V sb.: Prokatn. i trubn. proiz-vo, Moscow, Metallurgizdat, 1958, pp 75-92

ABSTRACT: Certain problems of the plasticity of metal when rolled at high drafts with an angle of contact greater than the angle of friction ( $\alpha > \beta$ ) are presented. Analysis of the stressing of the deformed metal rolled with  $\alpha > \beta$  shows that the stresses vary from point to point and that their distribution is dependent upon the conditions of reduction. In view of the unevenness of deformation and the influence of the exterior zones, new stresses appear in addition to the basic ones. In cases of rolling with high drafts and at  $\alpha > \beta$  angles on merchant and billet mills, the ratio of the contact arc to the height of the strip is adequate, and it may be taken that the full thickness of the strip is subjected to working. The experimental portion of the work sets forth the results of experiments in determination of the stress

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SOV/137-58-9-18957

The Deformability of Steel When Rolled at High Draft

pattern of the metal in the contact area when  $\alpha > \beta$ . The hypothesis to the effect that a longitudinal tensile stress exists in the inlet portion of the contact area is confirmed. The rolled metal and low- and high-carbon steels are shown to be highly plastic. In the rolling of billets of large cross section, no breaks in the continuity of the metal due to the process of deformation are found. Experiments reveal the metal to be of high density across its entire section when it is rolled at high draft, and this has a favorable effect upon the mechanical properties of the metal. Analysis of experimental data shows that when rolling is done at high drafts, no further opening of cracks at the start of the contact area, where a different pattern of stresses is operative, occurs. Moreover, as a result of the high level of reduction in height per pass and the considerable body forces of compression in the field of the  $\beta$  angle, conditions for the welding of defects are created in the contact zones of the strip, it being understood that this holds under conditions of absence of nonmetallic inclusions and oxidation of the surface at the loci of crack formation. Therefore the frequent turning manipulation required in large-draft rolling owing to the conditions involved in forming the desired section make for the production of high-quality rolled product. 1. Rolling mills--Performance 2. Steel--Deformation 3. Stress analysis B.Ts.

Card 2/2

Translation from: Referativnyy zhurnal. Metallurgiya, 1958, Nr 12, p 66 (USSR) SOV/137-58-12-24412

AUTHOR: Dinnik, A. A.

TITLE: Calculation of the Roll-separating Pressure in the Hot Rolling of Steel  
(Raschet davleniya metalla na valki pri goryachey prokatke stali)

PERIODICAL: Tr. Mezhvuz. nauchno-tekhn. konferentsii na temu: "Sovrem. dostizh. prokatn. proiz-va". Leningrad, 1958, pp 81-90

ABSTRACT: The average unit pressure ( $P$ ) is determined by the equation  $p_{av} = n_1 n_2 \cdot \beta \cdot \sigma_i (1 + CM + \eta)$ , where  $n_1$  is a coefficient of similitude allowing for the difference between the mechanical properties of large billets or ingots rolled on industrial mills and the mechanical properties of the metal obtained from tests on small laboratory specimens;  $n_2$  is a coefficient providing for the influence (CPI) of tension;  $\beta$  is the CPI of the stressed-state condition,  $C$  is the CPI of the strip width and the pass shape;  $M$  is the CPI of the sustaining forces of external friction;  $\eta$  is the CPI of the exterior zones; and  $\sigma_i$  is the true yield point. To determine the influence of speed, temperature, and degree of deformation upon the true yield point, special investigations into the rolling of 15 grades of steel were conducted. To

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SOV/137-58-12-24412

Calculation of the Roll-separating Pressure in the Hot Rolling of Steel (cont.)

determine the nature of the change in unit  $P$  along the contact arc, Tselikov's equation is used, refined by the fact that the contact arc was replaced not by a chord but by two semichords, in such a manner that the point of intersection between them corresponds to the maximum unit  $P$  at the neutral point. In determining the mean unit  $P$  in hot rolling of wide strip with consideration of the zone of adhesion it is taken that the forces of friction vary linearly, with a possible break at the neutral point and that the central portion of the diagram is outlined by arms of two parabolas conjugate with the curves for unit  $P$  in the zone of contact slip. Graphic analysis shows the relationship between the coefficient  $M$  and the relative reduction to be tractable as a straight line. The influence of the rate of relative slip is determined in accordance with the equation of Golubev and Zaykov. The influence of width is determined by analogy to  $P$  in the upsetting of a rectangular parallelepiped. The influence of the exterior zones is studied by compressing samples on a press with rectangular strikers. This method of analysis is compared with the results of  $P$  measurements on a laboratory mill, on the continuous thin-strip mill at the Zaporozhstal' Plant, at the sheet-bar mill of the im. Komintern Plant and at the three-high stands of the Novomoskovskiy Tinplate Rolling Plant. In the majority of cases, the difference between the calculated and test data did not exceed 10%.

Card 2/2

Ya. G.

AUTHOR: Dinnik, A. A. SOV/163-58-2-32/46

TITLE: The Influence of the Outer Zones on the Pressure Applied by the Metal on the Rolls in Rolling Processes (Vliyaniye vneshnikh zon na davleniye metalla na valki pri prokatke)

PERIODICAL: Nauchnyye doklady vysshey shkoly. Metallurgiya, 1958, Nr 2, pp. 178-184 (USSR)

ABSTRACT: The influence of the outer zones on the pressure applied by the metal on the rolls in rolling processes was investigated experimentally. The dependence between the coefficient  $\eta$  and the ratio  $\frac{l}{h}$  was investigated.  $\eta$  is the coefficient for the influence of the outer zone. The theoretical determination of the influence of the outer zone on the pressure of the metal on the rolls is difficult. In dependence on the ratios  $\frac{h}{l}$  and  $\frac{b}{l}$  the scheme of the metal deformation as well as the scheme of the effective tension are changed. Three different cases of metal deformation occur: 1)  $\frac{h}{l} \ll 3-4$ ; in this case the influence of the outer zone is determined by the vertical tension. The

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The Influence of the Outer Zones on the Pressure Applied by the Metal on the  
Rolls in Rolling Processes

SOV/163-58-2-32/46

pull coefficient in this case amounts to  $\eta = \frac{h}{6l}$ . 2) At  $\frac{h}{l} = 5,8$ .

The pull coefficient is  $>1$ . 3) At  $h > 10l$  the deformation does not penetrate to the boundary. The pull coefficient is equal to 1.

To experimentally check the influence exerted by the outer zones two test series were carried out. In the first forms of  $h=50$  mm and  $b=20$  mm showed deep incisions. In the second experiments were carried out with forms which had a number of incisions. The results obtained proved the actual influence of the outer zones on the pressure exerted by the metals on the rolls. The magnitude of the coefficient changes from  $\eta = 0,17$  at  $l = h$  to  $1,9$  at  $l = 0,1h$  according to the ratio  $\frac{h}{l}$ . The results of these experiments given in the table show that the diagram by A. Tselikov may be used for the calculation of the influence of the outer zones on the pressure exerted by the metals on the rolls. The empiric dependence  $\eta = \frac{h}{5,5l}$  may be used for the calculation. There are 5 figures, 1 table, and 5 references,

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SOV/163-58-2-32/46  
The Influence of the Outer Zones on the Pressure Applied by the Metal on the  
Rolls in Rolling Processes

4 of which are Soviet.

ASSOCIATION: Dnepropetrovskiy metallurgicheskiy institut (Dnepropetrovsk  
Metallurgical Institute)

SUBMITTED: October 24, 1957

Card 3/3



DINNIK, A.A.

SOV/133-59-5-19/31

AUTHORS: Chekmarev, A.P., Academician of the Ac.Sc. Ukr.SSR,  
Dinnik, A.A., Grudev, A.P., Mut'yev, M.S., Spiridonov, N.P.,  
Candidates of Technical Sciences and Vorotyntsev, Yu.V.,  
Engineer

TITLE: On Maximum Angles of Bite During Rolling (O maksimal'nykh  
uglakh zakhvata pri prokatke) (I)

PERIODICAL: Stal', 1959, Nr 5, pp 444-445 (USSR)

ABSTRACT: These are remarks on the paper of B.P. Bakhtinov -  
"Utilisation of Reserve Friction Forces During Rolling  
on a Blooming Mill" (Stal', 1957, Nr 2), which was discussed  
during a conference on working of metals by pressure in  
Dnepropetrovsk. In the original paper, the author  
attempted to explain why the theoretical relationship  
 $\alpha_e = 2\alpha_b$  (where  $\alpha_e$  - maximum angle of bite during the  
steady state process of rolling,  $\alpha_b$  - maximum angle of bite  
during the initial moment of feeding metal into rolls) is  
not confirmed by practice. The present authors point out  
that the work of the Rolling Section of the Academy of  
Sciences of the Ukrainian SSR established the deciding  
influence of scale on the coefficient of friction which  
led to the following conclusions: 1) Scale has little

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On Maximum Angles of Bite During Rolling SOV/133-59-5-19/31

influence on the initial conditions of bite as during the moment of feeding the metal into the rolls, the latter break off the scale from the edges of the specimen being fed into them, leaving clean metal.

2) The relatively small influence of scale on the friction coefficient and maximum angle of bite during slipping and stoppage of metal in rolls is also due to breaking off of scale from the contact surface of the rolls.

3) The scale reduces considerably (2 - 2.5 times) the coefficient of friction during the steady state rolling process, whereupon a wide field of instability of the process appears - from a bite angle below the friction angle (at  $\alpha_b \approx 24^\circ$  and the ratio of  $\alpha_e/\alpha_b \leq 1$ ) up to friction angles corresponding to complete slipping ( $\alpha_b = 39-40^\circ$ ).

4) On rolling specimens from which scale was removed, a sharp increase of the friction coefficient was observed, whereupon a stable rolling process is attained at an angle of bite  $\alpha_e = 39-40^\circ$  and a ratio  $\alpha_e/\alpha_b \approx 1.7$ .

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On Maximum Angles of Bite During Rolling SOV/133-59-5-19/31

5) On rolling specimens for which no attempt was made to preserve or remove the scale, the ratio of the angles of bite varied within a wide range - from 1.5 to values below unity. Thus, the ratios of angles of bite obtained during rolling  $\alpha_e/\alpha_b = 1.25 - 1.35$  (Ref 4) and occasionally below unity should be explained mainly by a decrease in the friction coefficient on transfer from the initial stage of bite to the steady state process induced by the scale or other causes. With preliminary removal of scale and forced feeding of metal into the rolls, a steady state progress can be obtained at large angles of bite. In conclusion it is stated that the corrections of Bakhtinov relating to the steady state conditions of rolling are incorrect. There are 5 Soviet references.

Card 3/3

DINNIK, A.A., kand.tekhn.nauk dots.

Determining the surface of contact allowing for the elastic compression of the rolls. Izv.vys.ucheb.zav.; chern.met. 2 no.10:71-78 0 '59. (MIRA 13;3)

1. Dnepropetrovskiy metallurgicheskiy institut. Rekomendovano kafedroy obrabotki metallov davleniyem Dnepropetrovskogo metallurgicheskogo instituta.  
(Rolls (Iron mills))